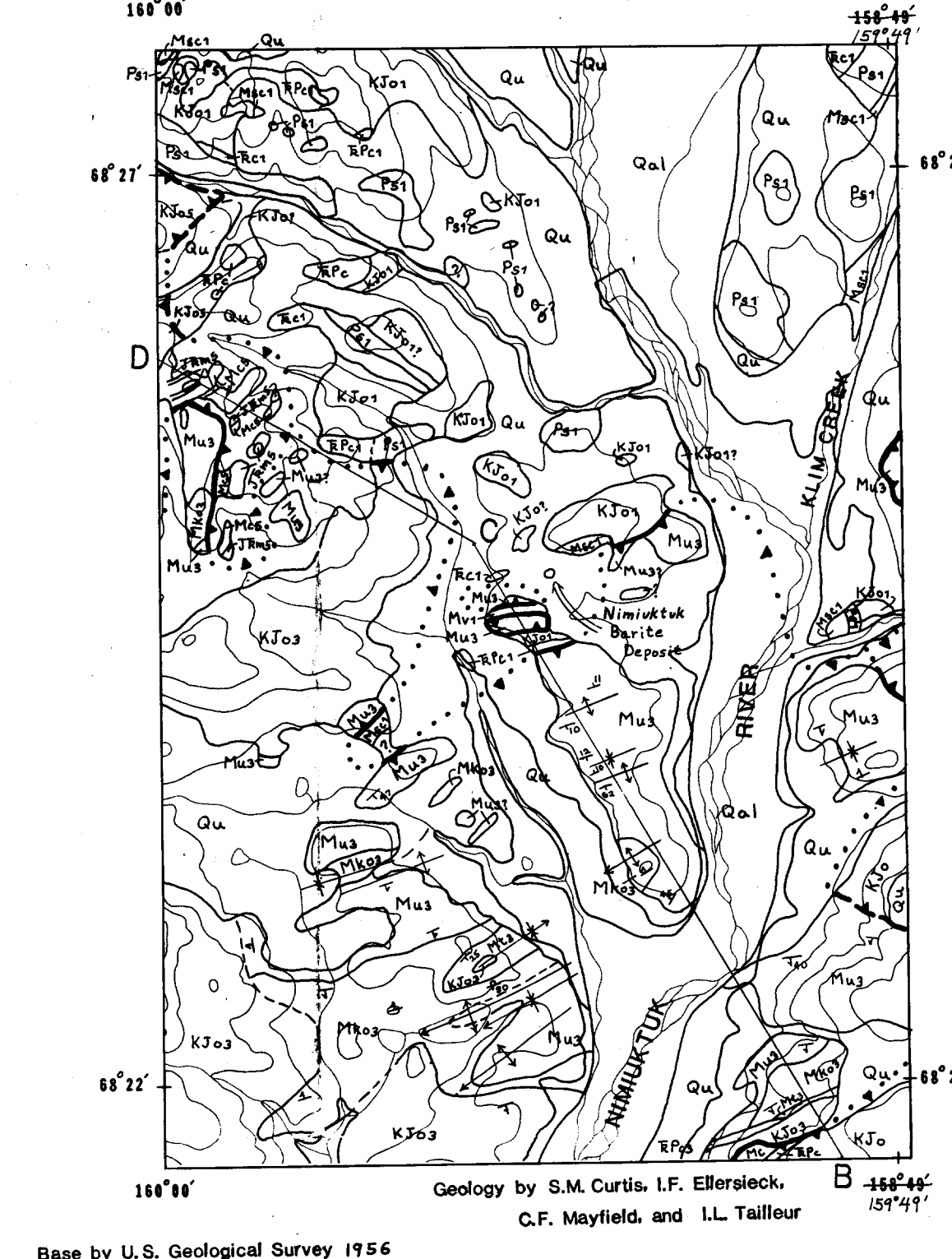
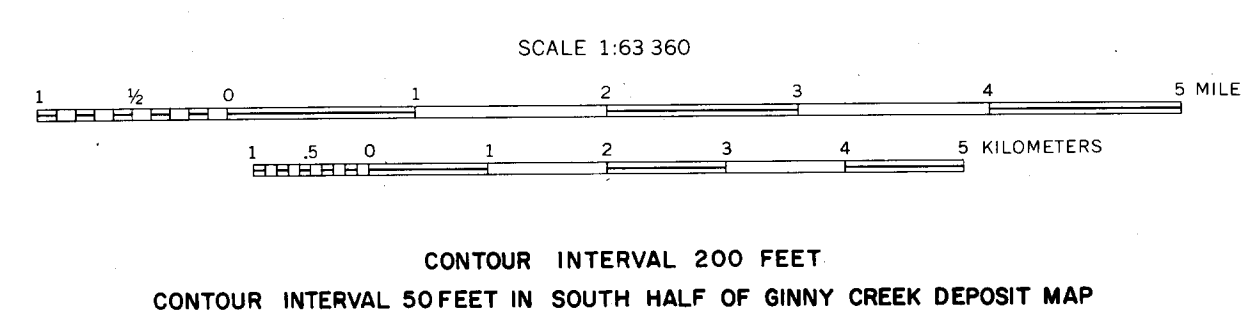


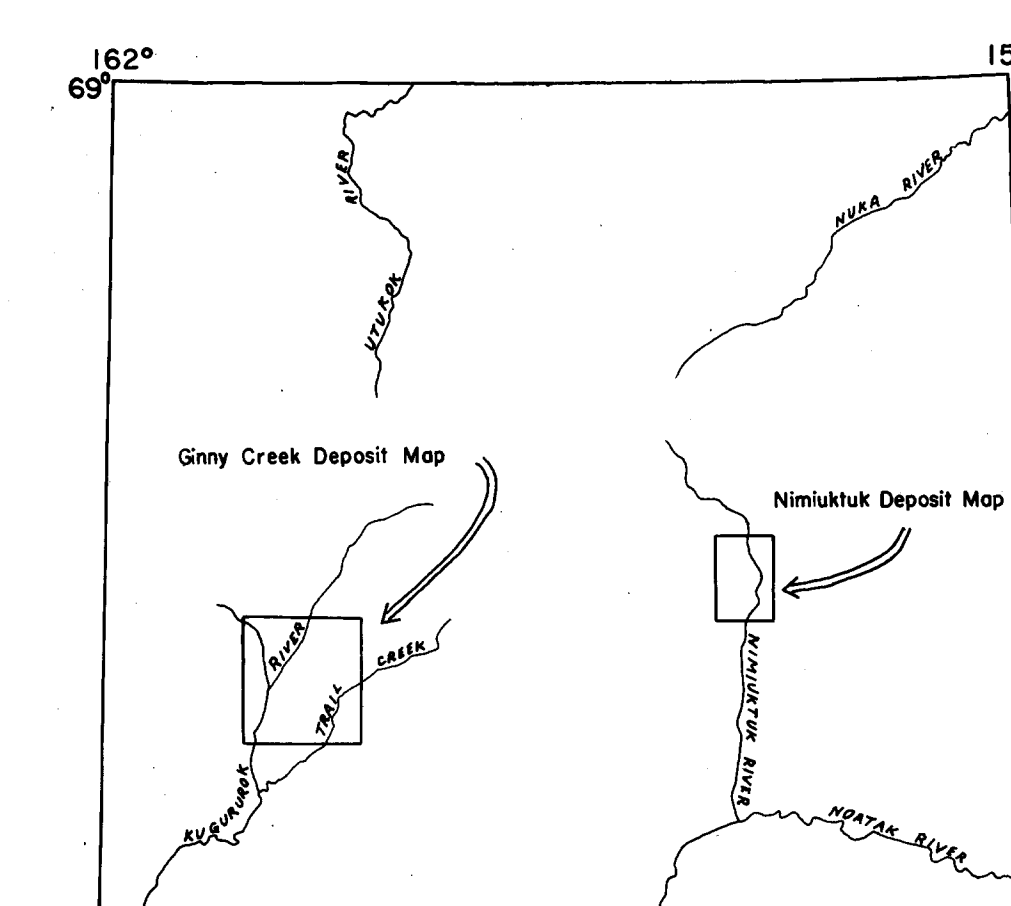
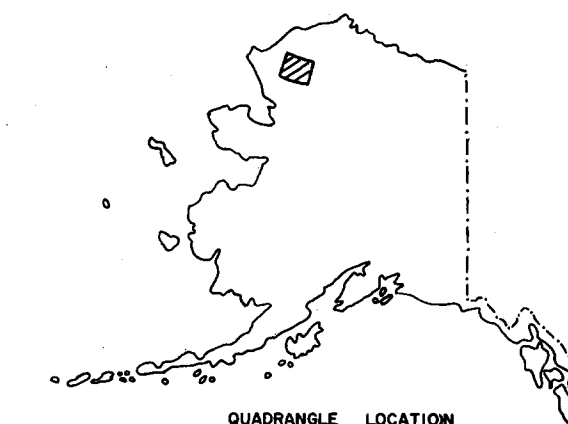
RECONNAISSANCE BEDROCK GEOLOGIC MAP OF THE NIMIUKTUK BARITE DEPOSIT



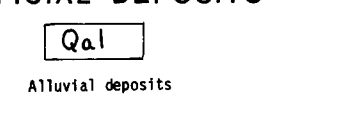
A geological cross-section oriented Northwest (NW) to Southeast (SE). The section shows several thrust sequences: Thrust Sequence 1 at the base, followed by Thrust Sequence 3, and Thrust Sequence 5 at the top. An 'UNIDENTIFIED THRUST SEQUENCE' is also shown. The section is divided into blocks labeled A, B, C, and D. Block A is the northernmost, followed by B, C, and D to the south. The topography is indicated by a dashed line with elevation markers (e.g., 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1300, 1400, 1500, 1600, 1700, 1800, 1900, 2000, 2100, 2200, 2300, 2400, 2500, 2600, 2700, 2800, 2900, 3000, 3100, 3200, 3300, 3400, 3500, 3600, 3700, 3800, 3900, 4000, 4100, 4200, 4300, 4400, 4500, 4600, 4700, 4800, 4900, 5000, 5100, 5200, 5300, 5400, 5500, 5600, 5700, 5800, 5900, 6000, 6100, 6200, 6300, 6400, 6500, 6600, 6700, 6800, 6900, 7000, 7100, 7200, 7300, 7400, 7500, 7600, 7700, 7800, 7900, 8000, 8100, 8200, 8300, 8400, 8500, 8600, 8700, 8800, 8900, 9000, 9100, 9200, 9300, 9400, 9500, 9600, 9700, 9800, 9900, 10000). The section shows a series of thrust faults dipping to the southeast, creating a series of blocks. The topography is shown as a dashed line with elevation markers. The section is labeled with 'NW' at the top left and 'SE' at the top right. The labels 'THRUST SEQUENCE 1', 'THRUST SEQUENCE 3', 'THRUST SEQUENCE 5', and 'UNIDENTIFIED THRUST SEQUENCE' are placed above the respective sequences. The block labels 'A', 'B', 'C', and 'D' are placed within the blocks. The section is oriented Northwest (NW) to Southeast (SE).



* This report is preliminary and has not been edited or reviewed for conformity with Geological Survey standards and nomenclature.



SUBFICIAL DEPOSITS



Undifferentiated surficial deposits, includes tundra, soil, lichen, moss, and algal deposits.

Quaternary

LOCATION OF GEOLOGIC MAPS IN THE MISHEGUK
MOUNTAIN QUADRANGLE

Comparison of thrust sequences in this report with those of other authors						
-	This report	Saunders and Billster, 1962; Tallent and Bross, 1970	Martin, 1970	Myhrfjord and others, 1978	Clarkin and others, 1978	Mull, 1978 (in press)
Midship Mountain thrust sequence (9)	Not distinguished	Midship sequence	Urbatonic pluton sequence	Midship Mountain thrust sequence	Not distinguished	Midship sequence
Isopark River thrust sequence (5)	Isopark sequence	Isopark sequence	Isopark sequence	Isopark River thrust sequence	Not distinguished	Isopark sequence
Kelly River thrust sequence (3)	Not distinguished	Kelly sequence	Delong sequence	Kelly River thrust sequence	Not distinguished	Kelly sequence
Kuruk Creek thrust sequence (2)	Sequence at Kuruk River (transform faults)	Wall in sequence?	Not distinguished	Northwestern Brooks thrust sequence	Not distinguished	Not distinguished
Brooks Range thrust sequence (1)	Foothills sequence	Foothills sequence	Brooks Range thrust sequence	Northwestern Brooks thrust sequence	Lower structural sequence	Foothills sequence (eastern facies)
	Assemblage through water Creek		Islands north of western facies			
	Sequences at Wall Bay (eastern facies)			Norris central Brooks Range thrust sequence (eastern facies)		

Lower Cretaceous
and
Upper Jurassic

Jurassic and
Upper Triassic?

100

Mississippian

Devonian

or

BY C.F. MAYFIELD, S.M. CURTIS, I.F. ELLERSIECK, AND I.L. TAILLEUR